(19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 7 April 2005 (07.04.2005)

PCT

(10) International Publication Number WO 2005/031488 A1

(51) International Patent Classification⁷: H02M 3/28, 3/335

G05F 3/02,

(21) International Application Number:

PCT/NL2004/000664

(22) International Filing Date:

24 September 2004 (24.09.2004)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data:

1024408

30 September 2003 (30.09.2003)

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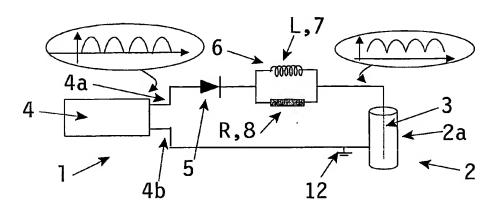
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: APPARATUS FOR GENERATING CORONA DISCHARGES



(57) Abstract: The invention relates to an apparatus for generating corona discharges, comprising a corona discharge space (2); a discharge electrode disposed in the corona discharge space; as well as a high voltage source (3, 4), an output of which is connected to the discharge electrode. The object of the present invention is to provide an apparatus for generating corona discharges as referred to in the introduction, which on the one hand is of less complex construction, but which is furthermore functionally built up of components that make it possible to use the apparatus with high pulsed power levels as well, and the apparatus is to that end characterized in that at least one element having diode functionality (5) is connected between the high voltage source and the discharge electrode, which element delivers a DC high voltage component comprising a superposed AC high voltage component on the discharge electrode.





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